

Claims

1. Process for the production of 2E,4Z-decadienoic acid-N-isobutylamide (cis-pellitorine), characterised in that a 2E,4Z-decadienoic acid ester is reacted with isobutylamine in the presence of a catalyst, the mixture with unreacted 2E,4Z-decadienoic acid ester is optionally saponified and then the mixture is isolated by physico-chemical methods.
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2. Mixture containing at least 80 wt.% of 2E,4Z-decadienoic acid-N-isobutylamide and at least two other N-isobutylamides of decanoic acid, 2E-decenoic acid, 2E,4E-decadienoic acid, 2Z,4E-decadienoic acid, 2Z,4Z-decadienoic acid, 2E,4Z,7Z-decatrienoic acid, 3Z,5E-decadienoic acid or 3Z,5E,7Z-decatrienoic acid.
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3. Use of 2E,4Z-decadienoic acid-N-isobutylamide or a mixture according to claim 2 as an aromatic substance.
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4. Use according to claim 3, wherein aromatic substance means a pungent principle or aromatic substance having a heat-generating effect.
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5. Use according to claim 3 or 4 in preparations used for foodstuffs or luxury foodstuffs.
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6. Use according to claim 3 or 4 in preparations used for oral hygiene.
7. Preparations used for foodstuffs, oral hygiene or luxury foodstuffs, containing 2E,4Z-decadienoic acid isobutylamide or a mixture according to claim 2.
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8. Preparations according to claim 7, containing at least one other pungent-tasting or heat-generating substance.

9. Preparations according to claim 7, containing at least one pungent-tasting plant extract.
10. Preparations according to claim 7, containing at least one other pungent-tasting or heat-generating substance and at least one pungent-tasting plant extract.
11. Preparations according to at least one of claims 7 to 10 in the form of semi-finished products.
12. Preparations according to at least one of claims 7 to 11 in the form of perfume, aromatic and flavouring compositions and spice mixes.